PTO/SB/122 (06-03)
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CHANGE OF CORRESPONDENCE ADDRESS Applicati n

Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450.

*Total of

forms are submitted.

Application Number	09/865,242
Filing Date	05/25/2001
First Named Inventor	Anthony L. Fitzhugh
Art Unit	1615
Examiner Name	Blessing Fubara
Attorney Docket Number	14363-0038 (formerly 17363-38)

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Telephone	949-725-4000	Fax	9	49-725-41	100		
data associated with an exchange" (PTO/SB/124). I am the: Applicant/In Assignee of	record of the entire interest.	for Custome	er Nur)		
Registered	Agent of record. Registration Number				vithout	 an 	
Typed or Printed Name	Zgullman						
Signature	Jull)						
Date 12/-	1/00			949-725-4			
NOTE: Signatures of all the inventor forms if more than one signature is	rs or assignees of record of the entire interest required, see below*.	or their repres	entati	ive(s) are require	d. Subm	nit multiple	

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

APRIL 02, 2001

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OPPENHEIMER WOLFF & DONNELLY LLP LOUIS C. CULLMAN 500 NEWPORT CENTER DRIVE, SUITE 700 NEWPORT BEACH, CALIFORNIA 92660



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 01/09/2001

REEL/FRAME: 011441/0564

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FITZHUGH, ANTHONY L.

DOC DATE: 01/04/2001

ASSIGNOR:

SAAVEDRA, JOSEPH

DOC DATE: 01/03/2001

ASSIGNOR:

KEEFER, LARRY K.

DOC DATE: 01/03/2001

ASSIGNEE:

U.S. GOVERNMENT DEPARTMENT OF HEALTH AND HUMAN SERVICES 6011 EXECUTIVE BLVD., SUITE 325 ROCKVILLE, MARYLAND 20852

SERIAL NUMBER: 09567579

PATENT NUMBER:

FILING DATE: 05/10/2000

ISSUE DATE:

RECEIVED

APR 1 0 2001

OPPENHEIMER, WOLFF AND DONNELLY

TARA WASHINGTON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

	4-2001
FORM PTO-1595. RL-OF	ET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
1015	91751
To the Hon. Commissioner of Patents & Trauemans. Tour	ad original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)
Anthony L. Fitzhugh	Name U.S. Government, Department of Health and
Joseph Saavedra	Human Services
Larry K. Keefer	
Additional name of conveying party attached? ☐Yes ☒No	Internal Address:
3. Nature of conveyance:	Street Address: 6011 Executive Blvd., Suite 325
3. Nature of conveyance.	The transfer of the state of th
Assignment	
	City: Rockville State MD ZIP 20852
Security Agreement Change of Name	
. T 0.1	-
Other	Additional name(s) and address(es) attached? ☐Yes ☒N
Execution Date: January 3, 2001 and January 4, 2001	
4. Application number(s) or patent numbers:	
, personal removal personal removal re	•
If this document is being filed together with a new ap	plication, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
09/567,579	
Additional numbers attache	d? Yes ⊠ No
5. Name and address party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 14
450 - 9 2001 13 3	7. Total fee (37 CFR 3.41) \$40.00
Oppenheimer Wolff & Donnelly llp	
500 Newport Center Drive, Suite 700	⊠Enclosed
Newport Beach, California 92660	l _m
	Authorized to be charged to deposit account
Attn: Louis C. Cullman	8. Deposit Account number:
	16-2230
,	(Attach duplicate copy of this page if paying by deposit account)
723/2001 DBYRNE 00000168 09567579	
FC:581 40.00 0 DO NOT USE	THIS SPACE
	——————————————————————————————————————
9. Statement and signature. To the best of my knowledge and belief the force	oing information is true and correct and any attached copy
is a true copy of the original document.	
A MA	Mr.
Louis C. Cullman	<u>January 5, 2001</u>
Name of Person Signing Signature	Date
Total number of pages including cover	sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to: Commissioner of Petents & Trademarks, Box Assignments, Washington, D.C.

ASSIGNMENT

WHEREAS, We Anthony L. Fitzhugh, a United States Citizen, residing at 2117 Independence Street, Frederick, MD 21702, and employee of Scientific Applications International Corporation (SAIC) a contractor to the Department of Health and Human Services at the time the invention was made, Joseph Saavedra, a United States Citizen, residing at 7189 Browns Lane, Thurmont, Maryland 21788, and employee of Scientific Applications International Corporation (SAIC) a contractor to the Department of Health and Human Services at the time the invention was made, and Larry K. Keefer, a United States Citizen, residing at 7016 River Road, Bethesda, MD 20817, employee of the Department of Health and Human Services at the time the invention was made, are the co-inventors of the invention described and set forth in patent application NITRIC OXIDE-RELEASING METALLIC MEDICAL DEVICES, for which we have made application (together with the other inventors) for Letters Patent of the United States, Serial Number 09/567,579, filed May 10, 2000;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States, as represented by the Secretary, Department of Health and Human Services (hereinafater THE GOVERNMENT) under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States is desirous of acquiring our domestic and foreign right, title, and interest in the aforesaid invention described in the aforesaid application for Letters Patent of the United States;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) by the THE GOVERNMENT to us paid, and other valuable consideration, the receipt and legal sufficiency of all of which is hereby acknowledged, We, the said ASSIGNORS, have sold and do hereby sell, assign, transfer and set over unto THE GOVERNMENT the entire right, title and interest in and to said inventions and all improvements thereon, in and to said application for Letters Patent thereon, in and to applications pertaining to or based upon said inventions and applications, including divisional and continuing applications and continuations-in-part, and in and to any and all Letters Patent which may be granted and issued on said inventions and applications, or any of them, not only for, to and in the United States of America, its territories and possessions, but for, to and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

And for the above-named considerations, We do hereby agree that we will, at the request of THE GOVERNMENT, execute any and all applications for Letters Patent for said inventions and any and all other papers and documents and do all other and further lawful acts that THE GOVERNMENTmay deem necessary or desirable to obtain Letters Patent on said inventions, to secure the grant of such Letters Patent and to perfect and vest in THE GOVERNMENT the entire right, title and interest in the inventions, applications and Letters Patent.

And for the above-named considerations, We do hereby authorize and empower THE GOVERNMENT to apply for and obtain, in its or their own names, Letters Patent for

•		Authorities and in any and all countries is for Letters Patent can be so made or
Dated: 1/4/0/	· 	Anthony L. Fitzhagh
Dated:		Joseph Saavedra
Dated:		Larry K. Keefer
STATE OF Maryland COUNTY OF Frederich))ss)	tand a
the undersigned Notary Public, personne (or proved to me on the basis of subscribed to the within instrument	sonally/appeared f satisfactory evi	Anthony L. Fitzhugh, personally known/to dence) to be the person whose name is ged to me that he/she executed the same.
My linnission Effices. Sept. 1, 2002		Notary Públic
STATE OF))ss	
COUNTY OF)	
- · · · · · · · · · · · · · · · · · · ·	ally appeared Jos actory evidence)	seph Saavedra, personally known to me (or to be the person whose name is subscribed to
		Notary Public
STATE OF))ss	
COUNTY OF) .	
	ctory evidence)	the
		Notary Public

ASSIGNMENT

WHEREAS, We Anthony L. Fitzhugh, a United States Citizen, residing at 2117 Independence Street, Frederick, MD 21702, and employee of Scientific Applications International Corporation (SAIC) a contractor to the Department of Health and Human Services at the time the invention was made; Joseph Saavedra, a United States Citizen, residing at 7189 Browns Lane, Thurmont, Maryland 21788, and employee of Scientific Applications International Corporation (SAIC) a contractor to the Department of Health and Human Services at the time the invention was made, and Larry K. Keefer, a United States Citizen, residing at 7016 River Road, Bethesda, MD 20817, employee of the Department of Health and Human Services at the time the invention was made, are the co-inventors of the invention described and set forth in patent application NITRIC OXIDE-RELEASING METALLIC MEDICAL DEVICES, for which we have made application (together with the other inventors) for Letters Patent of the United States, Serial Number 09/567,579, filed May 10, 2000;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States, as represented by the Secretary, Department of Health and Human Services (hereinafater THE GOVERNMENT) under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States is desirous of acquiring our domestic and foreign right, title, and interest in the aforesaid invention described in the aforesaid application for Letters Patent of the United States;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) by the THE GOVERNMENT to us paid, and other valuable consideration, the receipt and legal sufficiency of all of which is hereby acknowledged, We, the said ASSIGNORS, have sold and do hereby sell, assign, transfer and set over unto THE GOVERNMENT the entire right, title and interest in and to said inventions and all improvements thereon, in and to said application for Letters Patent thereon, in and to applications pertaining to or based upon said inventions and applications, including divisional and continuing applications and continuations-in-part, and in and to any and all Letters Patent which may be granted and issued on said inventions and applications, or any of them, not only for, to and in the United States of America, its territories and possessions, but for, to and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

And for the above-named considerations, We do hereby agree that we will, at the request of THE GOVERNMENT, execute any and all applications for Letters Patent for said inventions and any and all other papers and documents and do all other and further lawful acts that THE GOVERNMENTmay deem necessary or desirable to obtain Letters Patent on said inventions, to secure the grant of such Letters Patent and to perfect and vest in THE GOVERNMENT the entire right, title and interest in the inventions, applications and Letters Patent.

And for the above-named considerations, We do hereby authorize and empower THE GOVERNMENT to apply for and obtain, in its or their own names, Letters Patent for

the said inventions before competent International Authorities and in any and all countries foreign to the United States in which applications for Letters Patent can be so made or Letters Patent so obtained.

Dated:	
Dated: 1/03/01	Anthony L. Eitzhugh Melly Gawad Joseph Sanvedra
Dated: 1/03/01	Larry K. Keefer
STATE OF Manyland)s COUNTY OF Lederick)	
COUNTY OF Frederick ;	
me (or proved to me on the basis of sa	, 2000, before me, ally appeared Anthony L. Fitzhugh, personally known to tisfactory evidence) to be the person whose name is d acknowledged to me that he/she executed the same.
·	Notary Public
STATE OF Maryland)s COUNTY OF Iredevice)s	s
On this <u>2</u> day of <u>and</u> undersigned Notary Public, personally proved to me on the basis of satisfacto	the appeared Joseph Saavedra, personally known to me (or ry evidence) to be the person whose name is subscribed to ed to me that he/she executed the same.
Wanda K. Shook, I Frederick C State of Ma	Notary Public Sanda & Shoot Sounty
STATE OF Warrand) COUNTY OF Lederet)	res Oct. 1, 2002 S
proved to me on the basis of satisfacto	2000, before me the appeared Larry K. Keefer, personally known to me (or ry evidence) to be the person whose name is subscribed to ed to me that he/she executed the same.
Wanda K. Shook, Notary Frederick County State of Maryland	Public Notary Public

My Commission Expires Oct. 1, 2002

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UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

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OPPENHEIMER WOLFF & DONNELLY LLP LOUIS C. CULLMAN 500 NEWPORT CENTER DRIVE SUITE 700 NEWPORT BEACH, CALIFORNIA 92660



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RECORDATION DATE: 01/09/2001

REEL/FRAME: 011441/0571

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHENG, PEIWEN

DOC DATE: 07/14/2000

ASSIGNOR:

CAFFERATA, ROBERT

DOC DATE: 07/10/2000

ASSIGNOR:

HENDRIKS, MARC

DOC DATE: 09/12/2000

ASSIGNOR:

TEDESCHI, EUGENE

DOC DATE: 09/11/2000

ASSIGNOR:

VERHOEVEN, MICHEL L.P.M.

DOC DATE: 09/12/2000

ASSIGNEE:

MEDTRONIC AVE, INC. 3576 UNOCAL PLACE SANTA ROSA, CALIFORNIA 94503

APR 1 0 2001

OPPENHEIMER, WOLFF

011441/0571 PAGE 2

SERIAL NUMBER: 09567579

PATENT NUMBER:

FILING DATE: 05/10/2000

ISSUE DATE:

PAULA MCCRAY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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FORM PTO-1595 REJURDA	-24-2001 U.S. DEPARTMENT OF COMMERCE
	Patent and Trademark Office
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To the Hon. Commissioner of Patents & Trac.	1591752 iginal documents or copy thereof.
Name of conveying party(ies):	Name and address of receiving party(ies)
1. Inditie of Conveying partylies.	2. Italile and address of receiving party (100)
Peiwen Cheng	Name_Medtronic AVE, INC.
Robert Cafferata	
Marc Hendriks	Internal Address:
Eugene Tedeschi	V-1 C May
Michel L.P.M. Verhoeven	Harris Maria Zan
Additional name of conveying party attached? ☐Yes ⊠No	
3. Nature of conveyance:	Street Address: 3576 Unocal Place
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Assignment	
	City: Santa Rosa State CA ZIP 94503
Security Agreement Change of Name	
T 046	the state of the s
. Other	Additional name(s) and address(es) attached? ☐Yes ☒No
Execution Date:	
September 11, 2000 and September 12, 2000	
4. Application number(s) or patent numbers:	·
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If this document is being filed together with a new ap	plication, the execution date or the application is:
A. Patent Application No.(s)	B. Patent No.(s)
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Additional numbers attached. 5. Name and address party to whom correspondence concerning document should be mailed: OPPENHEIMER WOLFF & DONNELLY LLP 500 Newport Center Drive, Suite 700 Newport Beach, California 92660	6. Total number of applications and patents involved: 14 7. Total fee (37 CFR 3.41)\$40.00 ⊠Enclosed □Authorized to be charged to deposit account
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Additional numbers attached. 5. Name and address party to whom correspondence concerning document should be mailed: OPPENHEIMER WOLFF & DONNELLY LLP 500 Newport Center Drive, Suite 700 Newport Beach, California 92660 Attn: Louis C. Cullman 23/2001 DBYRNE 00000167 09567579 FC:581 40.00) OP DO NOT USE 9. Statement and signature.	6. Total number of applications and patents involved: 14 7. Total fee (37 CFR 3.41)
Additional numbers attached 5. Name and address party to whom correspondence concerning document should be mailed: OPPENHEIMER WOLFF & DONNELLY LLP 500 Newport Center Drive, Suite 700 Newport Beach, California 92660 Attn: Louis C. Cullman 23/2001 DBYRNE 00000167 09567579 FC:581 40.00 OP DO NOT USE 9. Statement and signature. To the best of my knowledge and belief, the foregother concerning document should be mailed:	6. Total number of applications and patents involved: 14 7. Total fee (37 CFR 3.41)
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Additional numbers attached 5. Name and address party to whom correspondence concerning document should be mailed: OPPENHEIMER WOLFF & DONNELLY LLP 500 Newport Center Drive, Suite 700 Newport Beach, California 92660 Attn: Louis C. Cullman 23/2001 DBYRNE 00000167 09567579 FC:581 40.00 OP DO NOT USE 9. Statement and signature. To the best of my knowledge and belief, the foregother concerning document should be mailed:	6. Total number of applications and patents involved: 14 7. Total fee (37 CFR 3.41)
Additional numbers attached to the state of the best of my knowledge and belief, the foreging a true copy of the original document.	6. Total number of applications and patents involved: 14 7. Total fee (37 CFR 3.41)

01.

ASSIGNMENT

WHEREAS, WE, Peiwen Cheng, whose address is 366 Breeden Street, Santa Rosa, California 95409, Robert Cafferata, whose address is 55 Warwick Road, Belmont, MA 02478 and Marc Hendriks, whose address is Schumanstraat 6, 6441 KD Brunssum, The Netherlands, Eugene Tedeschi, whose address is 3053 Porter Creek Road, Santa Rosa, California 95404, and Michel L.P.M. Verhoeven, whose address is Endepolsdomein 5, 6229 GW Maastricht, The Netherlands, hereinafter collectively "ASSIGNORS," have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled NITRIC OXIDE RELEASING METALLIC MEDICAL DEVICES, filed May 10, 2000, as Application Serial No. 09/567,579.

WHEREAS, ASSIGNORS warrant that they have rights, title and interest in and to said new invention and that they have never assigned, encumbered or licensed said invention or any interest therein to any person or entity whatsoever, and

WHEREAS, MEDTRONIC AVE, INC., a Delaware corporation, having an office and place of business at 3576 Unocal Place, Santa Rosa, California 94503, hereinafter "ASSIGNEE," is desirous of acquiring ASSIGNOR'S rights, title and interest in and to said invention, described in said application, in the United States and throughout the world;

NOW, THREFORE, for and in consideration of our employment by ASSIGNEE, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNORS do sell, assign, transfer, and set over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said invention in the United States and throughout the world, and in and to any Letters Patents, reissues, continuations or divisions of which may be granted and issued therefor, and hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said invention to ASSIGNEE in accordance with terms of this assignment;

AND ASSIGNORS further agree to execute all necessary documents and to perform all acts reasonably required of them for the purpose of protecting the rights herein assigned, including, without limitation, any applications for patent, for reissues, or for continuations and/or divisions in whole or in part, and the like which may heretofore or may be hereinafter filed, but all at the expense of said ASSIGNEE.

IN TESTIMONY WHEREOF, I have hereunto signed my name at Santa Rosa, CA on the dated indicated:

Peiwen Cheng	Dated: 7/14/2000
STATE OF California) COUNTY OF Sonoma) On this 14th day of July undersigned Notary Public, personally appeared Peiw	. 2000, before me Rossann Grimm, the en Cheng, personally known to me (or proved to me on the whose name is subscribed to the within instrument an
basis of satisfactory evidence) to be the person acknowledged to me that he/she executed the same.	○ A

ROSSANN GRIMM
Commission # 1208150
Notary Public - California
Sonoma County
My Comm. Expires Jam 15, 2003

Robert Cafferata	Dated: 7-10-00
STATE OF)	
COUNTY OF)	
undersigned Notary Public, personally appleared Robert Cafferar basis of satisfactory evidence) to be the person whose na acknowledged to me that he/shr execute/RISASARSBELLI Notary Public Commonwealth of Massachuseds My Commission Expires December 15, 2006	before me Robert Caffera Ac_, the ta, personally known to me (or proved to me on the time is subscribed to the within instrument and solutions of the public stary Public star
•	Dated: <u>07/10/00</u>
Marc Hendriks	7,
STATE OF))ss COUNTY OF)	
On this, 2000, Undersigned Notary Public, personally appeared Marc Hendriks basis of satisfactory evidence) to be the person whose no acknowledged to me that he/she executed the same.	before me, the s, personally known to me (or proved to me on the name is subscribed to the within instrument and
Eugene Tedeschi	Dated: 09/11/80
STATE OF California	
COLPLETA OF CON SAM	
On this 11th day of September, 2000. undersigned Notary Public, personally appeared Eugene Tedesc basis of satisfactory evidence) to be the person whose na acknowledged to me that he/she executed the same.	before me <u>Eugene Tedoschi</u> , the thi, personally known to me (or proved to me on the name is subscribed to the within instrument and
MAYANY SAM Commission # 1271187 Notary Public - Colliamia Sonoma County My Comm. Expires Jul 20, 2004	Notary Public

		Dated:		•
Robert Cafferata	·	•		
STATE OF	.) .)ss			
COUNTY OF	j		··	
On this day of undersigned Notary Public, per basis of satisfactory evidence acknowledged to me that he/she	sonally appeared Robert t) to be the person w	2000, before me	to me (or proved to me	_, the on the nt and
	• • •	Notary Public		
Maro Hendriks			2 sep 2000	
STATE OF the Netherla COUNTY OF Macotrich! On this 12th day of undersigned Notary Public, pe basis of satisfactory evidence	ss) f September	2000, before me mr. M. Hendriks, personally known	to the within instrume	nt and
acknowledged to me that he/sh	e executed the same.		Rulew Franciscu	
Eugene Tedeschi	TANS TE MAAST			•
STATE OF))ss		•	•
COUNTY OF)			
On this day of undersigned Notary Public, per basis of satisfactory evident acknowledged to me that he/sl	ce) to be the person v	, 2000, before me e Tedeschi, personally know whose name is subscribed	n to me (or proved to me to the within instrume	, the e on the ent and
•		Notary Public		

•	
•	Michel L.P.M. Verhoeven Dated: 12 Sept 2000
•	STATE OF the Netherlands))ss COUNTY OF Maastricht)
•	On this 12th day of September, 2000, before me mr MPPF Groutous, the undersigned Notary Public, personally appeared Michel L.P.M. Verhoeven known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same.
•	Mr. Maria Petrus Paulus Franciscus Groutais Notary Public Mr. Maria Petrus Paulus Franciscus Groutais Notary Public